

## Ecological Reference Worksheet

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Reference site used? Yes/No

N

Date: 6/15/2005 MLRA: 70A Ecological Site: \_\_\_\_\_ This must be verified based on soils and climate (see Ecological Site Description). Current plant community cannot be used to identify the ecological site.

**Indicators:** For each indicator, describe the potential for the site. Where possible, (1) use numbers, (2) include expected range of values for above and below average years for each community within the reference state, when appropriate & (3) site data. Continue description on separate sheet.

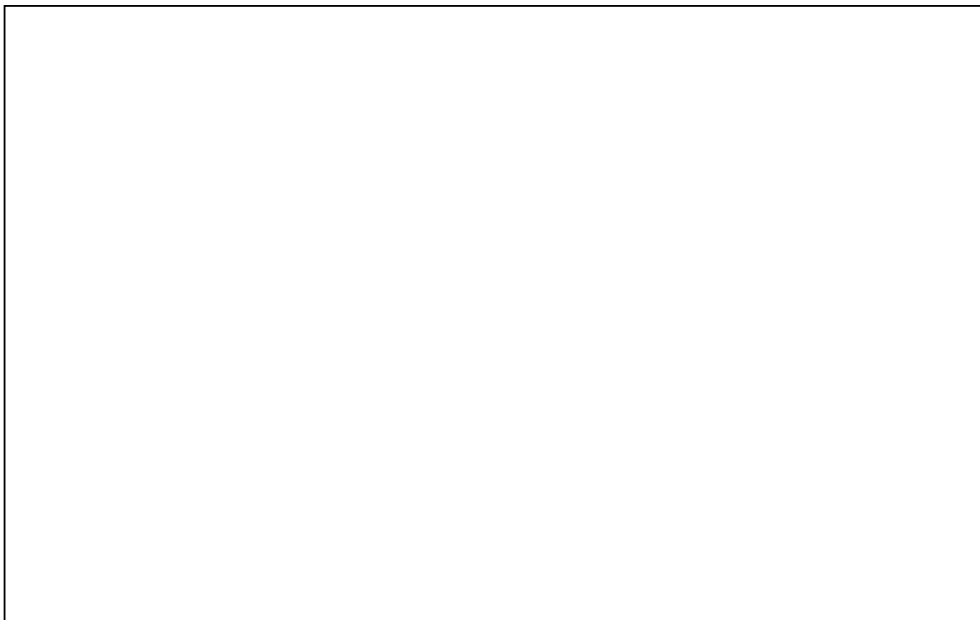
Indicators:	Indicator Weight
1. Number and extent of rills :	
2. Presence of water flow patterns:	
3. Number and height of erosional pedestals or terracettes:	
4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground) :	
5. Number of gullies and erosion associated with gullies:	
6. Extent of wind scoured, blowouts and/or depositional areas:	
7. Amount of litter movement (describe size and distance expected to travel) :	
8. Soil surface (top few mm) resistance to erosion (stability) values are averages - most sites will show a range of values for both plant canopy and interspaces, if different):	
9. Soil surface structures and SOM content (include type and strength of structure, and A-horizon color and thickness for both plant canopy and interspaces, if different) :	
10. Effect of plant community composition (relative proportion of different functional groups) & spatial distribution on infiltration & runoff:	
11. Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):	
12. Functional/Structural Groups (list in order of descending dominance by above-ground weight using symbols: indicate much greater than ( >> ), greater than ( > ), and equal to ( = ) :	
13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence) :	
14. Average percent litter cover ( _____ % ) and depth ( _____ inches).	
15. Expected annual production (this is <u>TOTAL</u> above-ground production, not just forage production):	
16. Potential invasive (including noxious) species (native and non-native). List species which characterize degraded states and which, after a threshold is crossed, "can, and often do , continue to increase regardless of the management of the site and may eventually dominate the site":	
17. Perennial plant reproductive capability :	

**Photograph (s)**

**MLRA** :

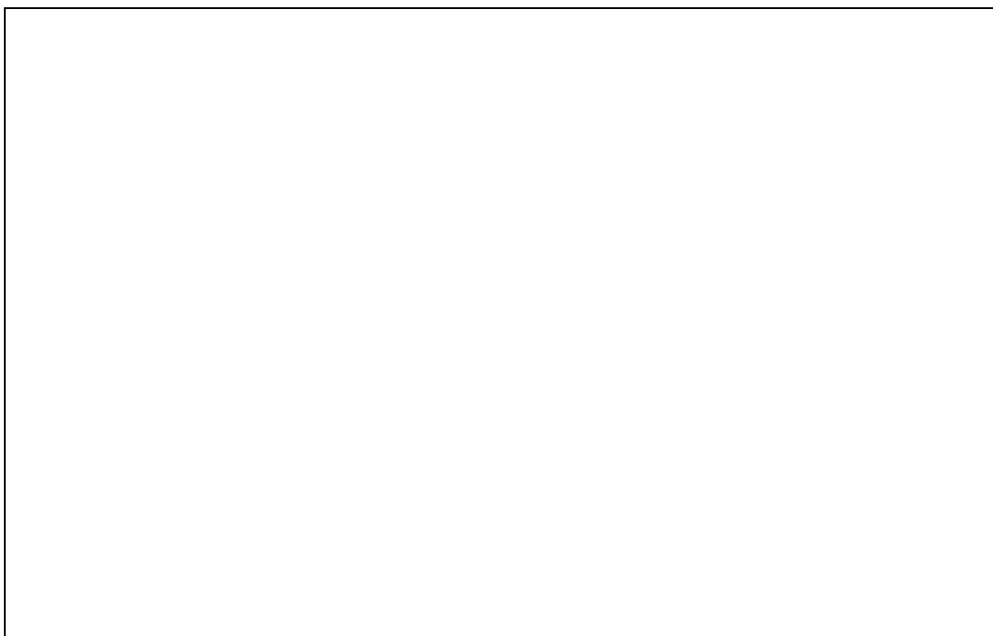
**Date** :

**Ecological Site** :



**Photo # 1**

**Comments** :



**Photo # 2**

**Comments** :

## Appendix 4.

## Functional / Structural Groups Worksheet

State	Office	Ecological Site
Alabama	Montgomery	Alabama
Alaska	Juneau	Alaska
Arizona	Phoenix	Arizona
Arkansas	Fayetteville	Arkansas
California	Sacramento	California
Colorado	Denver	Colorado
Connecticut	Hartford	Connecticut
Delaware	Dover	Delaware
Florida	Tallahassee	Florida
Georgia	Atlanta	Georgia
Hawaii	Honolulu	Hawaii
Idaho	Boise	Idaho
Illinois	Springfield	Illinois
Indiana	Indianapolis	Indiana
Iowa	Des Moines	Iowa
Kansas	Topeka	Kansas
Kentucky	Frankfort	Kentucky
Louisiana	Baton Rouge	Louisiana
Maine	Portland	Maine
Maryland	Annapolis	Maryland
Massachusetts	Boston	Massachusetts
Michigan	Lansing	Michigan
Minnesota	St. Paul	Minnesota
Mississippi	Jackson	Mississippi
Missouri	Jefferson City	Missouri
Montana	Helena	Montana
Nebraska	Lincoln	Nebraska
Nevada	Carson City	Nevada
New Hampshire	Manchester	New Hampshire
New Jersey	Trenton	New Jersey
New Mexico	Santa Fe	New Mexico
New York	Albany	New York
North Carolina	Raleigh	North Carolina
North Dakota	Bismarck	North Dakota
Ohio	Columbus	Ohio
Oklahoma	Oklahoma City	Oklahoma
Oregon	Salem	Oregon
Pennsylvania	Harrisburg	Pennsylvania
Rhode Island	Providence	Rhode Island
South Carolina	Columbia	South Carolina
South Dakota	Spearhead	South Dakota
Tennessee	Nashville	Tennessee
Texas	Austin	Texas
Utah	Salt Lake City	Utah
Vermont	Montpelier	Vermont
Virginia	Richmond	Virginia
Washington	Olympia	Washington
West Virginia	Charleston	West Virginia
Wisconsin	Madison	Wisconsin
Wyoming	Cheyenne	Wyoming

**Observers** \_\_\_\_\_ **Date** \_\_\_\_\_

[illegible]

**Indicate whether each "structural/functional group" is a Dominant (D)**(roughly 40-100% composition), a**Sub-dominant (S)** ( roughly 10-40%) composition) a**Minor Component (M)** (roughly 2-5% composition), or a**Trace Component (T)** ( <2% composition) based on weight or cover composition in the area of interest (e.g., "Actual <sup>2</sup> column) relative to the "Potential <sup>2</sup> column derived from information found in the ecological site/description and/or at the ecological reference area.

**Biological Crust** 3 dominance is evaluated solely on cover not composition by weight